

Papers by Bell Laboratories Authors

PHYSICAL SCIENCES

Bounds on Spread-Spectrum Systems. H. E. Rowe, *Electronics Conv Record* (Nov 1979).

Carbon Films with Relatively High Conductivity. M. L. Kaplan, P. H. Schmidt, A. H. Chen, and W. M. Walsh, Jr., *Appl Phys Lett*, 36 (May 1980), pp 867-9.

Convection in a Porous Layer. P. G. Simpkins and P. A. Blythe, *Int J Heat Mass Trans*, 23 (June 1980), pp 881-7.

CVSD to LPC Conversion Using Noise Tolerant Analysis. J. D. Tomcik and J. L. Melsa, *Proc IEEE Int'l Conf on Acoust, Speech & Sig Proc*, 3 (Apr 1980), pp 719-24.

Coupled Modes with Random Propagation Constants. USIR North Amer Radio Sci Conf (June 1980), p 80.

Electron Acceptor Surface States Due to Oxygen Adsorption on Metal Phthalocyanine Films. S. C. Dahlberg, *J Chem Phys*, 72 (1980), pp 6706-11.

Magnetoelastic Interactions in Ionic π -Electron Systems: Magnetogyration. M. A. Bosch, M. E. Lines, and M. Labhart, *Phys Rev Lett*, 45 (July 1980), pp 140-3.

Optical Waveguides in LiTaO₃: Silver Lithium Ion Exchange. J. L. Jackel, *Appl Optics*, 19 (June 1980), p 1996.

Pyroelectric Ba(NO₃)₂·H₂O: Room Temperature Crystal Structure. S. C. Abrahams, J. L. Bernstein, and R. Liminga, *J Chem Phys*, 72 (June 1980), pp 5857-62.

The Raman Excitation Spectra and Absorption Spectrum of a Metalloporphyrin in an Environment of Low Symmetry. J. A. Shelnutt, *J Chem Phys*, 72 (Apr. 1980), pp 3948-58.

Raman Spectra of Light-Coupling Prism and Gemstone Materials. J. E. Griffiths and K. Nassau, *Appl Spectroscopy*, 34 (1980), pp 395-9.

Rayleigh-Brillouin Scattering in Polymers. G. D. Patterson, *Method of Exper Phys*, 16 (1980), pp 170-204.

The Relation of Elastooptic and Electrostrictive Tensors. D. F. Nelson, *Basic Optical Properties of Materials* (May 1980), pp 209-12.

Surface Phenomena in Nohle and Rare Earth Metals. G. K. Wertheim, *Mat Sci Eng*, 42 (1980), pp 85-90.

MATHEMATICS

Evolution of a Stable Profile for a Class of Nonlinear Diffusion Equations. III Slow Diffusion on the Line. J. G. Berryman, *J Math Phys*, 21 (June 1980), pp 1326-31.

Hamming Association Schemes and Codes on Spheres. S. P. Lloyd, *SIAM J Math Anal*, 11 (May 1980), pp 488-505.

COMPUTING

Computational Procedures for Markov Decision Processes. R. W. Henry, 19, *Annual Tech Sym Pathways to Sys Integrity* (June 1980), pp 155-9.

A Mixed-Mode Simulator. V. D. Agrawal, A. K. Bose, P. Kozak, H. N. Nham, and E. Pacas-Skewes, 17th Design Auto Conf Proc (June 1980), pp 618-25.

A Standard Operating System Commanded Response Language. The ANSI X3H1 Effort. C. T. Schlegel, L. L. Frampton, and S. Mellor, *Proc of IFIP Conf* (1980), pp 83-99.

ENGINEERING

- Acceleration Factors for IC Leakage Current in a Steam Environment.** W. Weick, *IEEE Trans on Reliability*, 29 (June 1980), pp 109-14.
- Digital Test Generation and Design for Testability.** J. Grason and A. W. Nagle, 17th Design Auto Conf Proc (June 1980), pp 175-89.
- The Measurement of the Effect of Photon Noise on Detection.** J. Krauskopf and A. Reeves, *Vision Res*, 20 (1980), pp 193-6.
- Multilocation Audiographic Conferencing.** C. Stockbridge, *Telecommun Policy*, 4 (June 1980), pp 96-107.
- Rerouting Stability in Virtual Circuit Data Networks.** E. F. Wunderlich and T. S. Printis, *Int'l Conf on Commun* (June 1980), pp 13.5.1-5.
- Solar Cells.** W. D. Johnston, Jr., New York: Marcel Dekker (1980).
- Strength and Diameter Variations of Fused Silica Fibers Prepared in Oxy-Hydrogen Flame.** T. T. Wang and H. M. Zupko, 3 (1980), pp 73-87.
- Triggerable Semiconductor Lasers and Light-Coupled Logic.** J. A. Copeland, *J Appl Phys*, 51 (Apr 1980), pp 1919-21.
- Triggerable Semiconductor Lasers.** J. A. Copeland, S. M. Abbott, and W. S. Holden, *J Quant Electronics*, 16 (Apr 1980), pp 388-90.
- A Two-Chip CMOS- μ -Law Encoder/Decoder Set.** M. R. Dwarakanath and D. G. Marsh, *Conf Digest*, 1 (June 1980), pp 11-3.1-4.
- A Welded Optical Fiber Signal Splitter.** A. F. Judy and T. D. Mathis, *Fiber & Integrated Optics*, 3 (1980), pp 63-71.